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MONTANA OIL AND GAS

STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.

HELENA, MONTANA

VOL. VIII, No. 5

MCKEE PRINT.

May, 1960

Production of crude oil and condensate from the oil and gas areas of Montana for the month of May, 1960, averaged 77,741 barrels daily, a decrease of 3,683 barrels from the average April production of 81,424.

The ten refineries in the State processed 44,863 barrels of crude oil daily for the month of May, 1960, a decrease of 18,360 barrels daily from the 63,223 barrels processed daily during the month of April, 1960.

During May, 33 wells were completed, 13 oil, 1 gas well and 19 dry holes.

During May, the Commission issued 23 permits to drill new wells, a decrease of 10 from the 33 permits issued during April.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF MAY, 1960

IN STORAGE MAY 1st:	
By Producers	395,440
By Transporters	615,002
By Refiners	624,729
TOTAL STORAGE	1,635,171
Produced in Montana During Month	2,409,983
Imported During Month	800,990
TOTALS	4,846,144
DISPOSITION.	
Refined in Montana	1,390,761
Exported	1,833,599
Used for Fuel or Lost	(1,769)
TOTAL	3,222,591
IN STORAGE MAY 31st:	
By Producers	406,506
By Transporters	651,158
By Refiners	565,889
TOTAL STORAGE	1,623,553

NATURAL GAS WITHDRAWALS IN MONTANA

Month of May, 1960

Field	M Cu. Ft.
Bears Den	15,718
Big Coulee	56,715
Bowdoin	68,152
Bowes	127,557
Box Elder	0
Cabin Creek	89,250
Cedar Creek	159,219
Clarks Fork	57,396
Cut Bank (Including Reagan)	813,127
Devon	20,053
Dry Creek	119,996
Elk Basin	45,171
Flat Coulee	5,732
Golden Dome	301
Grandview	73,123
Hardin	4,288
Keith Block	0
Kevin Sunburst	74,512
Pine	98,196
Plevna	18,677
Utopia	0
Whitlash	129,366
Miscellaneous	90,413
TOTAL	2,066,962

Total Withdrawals for May, 1959 were 2,051,525 M Cu. Ft.

**PRODUCER'S REPORT
MONTH OF MAY, 1960**

Leases Operated	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek.....	4	859	2,622	.....	2,578	.....	903
2	Bannatyne.....	2	2,920	756	.....	928	.....	2,748
1	Belfry.....	1	335	3,435	.....	3,519	.....	251
8	Big Wall.....	26	5,072	15,422	.....	12,229	.....	8,265
11	Blackfoot.....	16	4,869	12,001	.....	12,811	.....	4,059
3	Border.....	3	.....	760	.....	760	.....	.....
20	Bowes.....	79	4,734	23,957	23,286	.....	.....	5,405
1	Bredette.....	1	1,593	449	.....	.....	.....	2,042
2	Bredette, North.....	2	2,345	3,415	3,469	.....	300	1,991
3	Brorson.....	3	3,048	3,577	3,466	.....	29	3,130
2	Cabin Creek.....	98	7,182	368,948	367,897	.....	754	7,479
26	Cat Creek.....	104	4,139	16,591	7,127	8,393	.....	5,210
.....	Clark's Fork.....	.....	188	.....	.....	.....	.....	188
2	Clark's Fork North.....	4	2,593	10,000	.....	10,000	.....	2,593
1	Cupton.....	2	878	1,206	1,347	.....	.....	737
356	Cut Bank.....	1,093	141,066	174,807	181,955	.....	263	133,655
3	Deer Creek.....	6	1,442	14,738	14,975	.....	.....	1,205
3	Delphia.....	3	1,531	4,018	.....	4,033	.....	1,516
.....	Devil's Basin.....	.....	1,018	.....	.....	.....	.....	1,018
5	Dry Creek.....	5	1,544	2,229	2,885	.....	.....	888
20	Elk Basin.....	52	4,179	161,132	162,361	.....	(630)	3,580
.....	Fertile Prairie.....	.....	252	.....	.....	.....	.....	252
2	Frannie.....	2	485	1,926	1,560	.....	.....	851
2	Gage.....	2	875	1,184	.....	1,107	8	944
3	Gas City.....	10	4,996	16,634	18,702	.....	.....	2,928
6	Glendive.....	12	4,065	37,362	35,239	.....	.....	6,188
4	Gypsy Basin.....	4	1,381	612	.....	627	.....	1,366
.....	Hawk Creek.....	.....	74	.....	.....	.....	.....	74
9	Ivanhoe.....	16	4,915	28,454	.....	27,347	.....	6,022
179	Kevin-Sunburst.....	1,187	16,747	62,436	62,491	.....	.....	16,692
.....	Line Coulee.....	.....	289	.....	.....	.....	289	.....
1	Little Beaver.....	8	2,425	20,380	20,909	.....	.....	1,896
5	Little Beaver, East.....	13	3,299	28,104	29,132	.....	.....	2,271
4	Melstone.....	8	2,044	2,838	.....	2,555	.....	2,327
5	Monarch.....	12	4,303	38,332	37,381	.....	.....	5,254
3	Mosser.....	5	353	35	.....	.....	40	348
1	Musselshell County.....	1	507	2,912	.....	2,654	.....	765
7	Outlook.....	11	10,090	37,764	36,048	.....	.....	11,806
3	Outlook, South.....	3	4,264	5,102	5,579	.....	.....	3,787
10	Pennel.....	20	7,076	43,969	43,486	.....	.....	7,559
5	Pine.....	143	15,908	442,715	435,979	.....	.....	22,644
76	Pondera.....	337	8,661	47,284	46,695	.....	.....	9,250
12	Poplar, East.....	88	21,532	273,656	273,363	.....	.....	21,825
3	Poplar, Northwest.....	4	1,916	1,984	2,991	.....	.....	909
4	Ragged Point.....	9	5,233	5,911	.....	5,829	.....	5,315
.....	Rattlesnake Butte.....	.....	116	.....	.....	.....	.....	116
3	Reagan.....	49	2,908	16,898	16,865	.....	.....	2,941
10	Red Creek.....	17	5,608	28,257	.....	29,994	.....	3,871
1	Redstone.....	1	807	166	.....	.....	.....	973
1	Repeat.....	1	236	3,283	3,109	.....	.....	410
8	Richey.....	11	6,161	16,861	18,076	.....	.....	4,946
2	Richey, Southwest.....	2	2,497	7,565	8,267	.....	.....	1,795
2	Rosebud County.....	2	608	9,227	.....	8,801	.....	1,034
5	Sand Creek.....	6	5,176	26,480	26,940	.....	.....	4,716
1	Sheridan County.....	1	621	5,093	.....	5,049	.....	665
2	Snyder.....	4	1,385	1,714	.....	1,978	.....	1,121
5	Soap Creek.....	18	2,749	6,372	.....	5,456	.....	3,665
10	Stensvad.....	26	12,679	178,258	178,169	.....	.....	12,768
27	Sumatra.....	85	16,087	118,940	95,476	14,079	.....	25,472
3	Sweetgrass Hills.....	3	661	470	.....	399	.....	732
1	Whitlash.....	1	13,286	1,135	.....	992	.....	13,429
6	Wills Creek.....	12	3,988	34,548	34,383	.....	.....	4,153
9	Wolf Springs.....	18	4,727	33,359	34,305	.....	.....	3,781
2	Woodrow.....	2	1,187	1,700	1,833	.....	.....	1,054
.....	Yellowstone.....	.....	728	.....	.....	.....	.....	728
912		3,663	395,440	2,409,983	2,235,746	162,118	1,053	406,506

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1959	29,857,226	81,800	29,815,632	81,686
First Quarter, 1960.....	7,565,291	83,135	7,540,471	82,862
April, 1960	2,442,749	81,424	2,422,744	80,758
May, 1960	2,409,983	77,741	2,397,864	77,350

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1959	362,849	645,661	619,430	1,627,940
March, 1960	384,565	613,000	620,075	1,617,640
April, 1960	395,440	615,002	624,729	1,635,171
May, 1960	406,506	651,158	565,889	1,623,553

*Includes Wyoming Oil.

**TRANSPORTERS REPORT
MONTH OF MAY, 1960**

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck.....			2,578				2,578		
BANNATYNE—Truck.....			928			928			
BELFRY—Truck.....			3,519				3,519		
BIG WALL—Truck.....			12,229			12,229			
BLACKFOOT—Union Oil Co.....			12,811			12,811			
BORDER—Truck.....			760			760			
BOWES—									
Trigold Oil Co.....	3,183	3,526			(105)	4,494			2,320
Texaco Inc.....		19,760				19,760			
	3,183	23,286			(105)	24,254			2,320
BRORSON—Sun Oil Company.....		3,466					3,466		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.....	330,835	967,684		489,824			1,480,063		308,280
Shell Pipe Line Corp.....	1,897	151,672			(81)			148,926	4,724
	332,732	1,119,356		489,824	(81)		1,480,063	148,926	313,004
CAT CREEK—									
Continental Pipe Line Co.....	5,296	7,127			(4,016)	10,456			5,983
Truck.....			8,393			8,393			
	5,296	7,127	8,393		(4,016)	18,849			5,983
CLARK'S FORK—Truck.....			10,000				10,000		
CUT BANK—									
Big West Oil Co.....		541		25,563		26,104			
Darling Gathering System, Inc.....	1,626	10,912						10,929	1,609
Phillips Petroleum Co.....	24,334	54,815		12,428	275	36,313		26,740	28,249
Texas Pipe Line Co.....	59,294	30,815		24,030	673	36,702		30,043	46,721
Toronto Pipe Line Co.....	28,864	46,386			388			47,825	27,037
Union Oil Co.....	55,690	48,839		41,250	1,153	52,578			92,043
	169,808	192,308		103,271	2,489	151,697		115,537	195,664
DELPHIA—Truck.....			4,033			4,033			
DRY CREEK—									
Marathon Pipe Line Co.....	6,741	2,886			(203)	2,682			7,143
ELK BASIN—Ohio Oil Co.....		162,361					162,361		
FRANNIE—Ohio Oil Co.....		1,560					1,560		
GAGE—Truck.....			1,107			1,107			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.....	8,841	78,081			(1,038)		59,487	18,239	10,234
GYPSY BASIN—Truck.....			627			627			
IVANHOE—Truck.....			27,347				27,347		
KEVIN-SUNBURST—									
Big West Oil Co.....	2,229	44,036				44,140			2,135
Homestake Oil & Gas Co.....	529	3,296		10,929		14,302			452
The Texas Pipe Line Co.....	4,077	28,461			333	28,128			4,077
	6,845	75,793		10,929	333	86,570			6,664
MELSTONE—Truck.....			2,555			2,555			
PONDERA—Phillips Petr. Co.....	20,345	44,837		1,348	50	32,517			33,963
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, LINE COULEE, REDSTONE & RICHEY—									
East Poplar Gathering System.....	20,180	332,486			(1,692)			322,670	31,688
RAGGED POINT—Truck.....			5,829			5,829			
REAGAN—Union Oil Co.....		16,865				16,865			
RED CREEK—Truck.....			29,994			4,212	25,782		
SNYDER—Truck.....			1,978				1,978		
SOAP CREEK—Truck.....			5,456				5,456		
SUMATRA AND STENSVAD—									
Powder River Pipe Line Inc.....	31,426	273,645			517	167,577	105,221		31,756
Truck.....			14,079				14,079		
	31,426	273,645	14,079		517	167,577	119,300		31,756
SWEETGRASS HILLS—Truck.....			399			399			
WHITLASH—									
Western Natural Gas Co.....	1,873								1,873
Truck.....			992			992			
	1,873		992			992			1,873
WOLF SPRINGS—									
Powder River Pipe Line Co.....	7,732	34,305			58	31,118			10,861
UN-NAMED—Musselshell County Truck.....			2,654			2,654			
UN-NAMED—Rosebud County Truck.....			8,801				8,801		
UN-NAMED—Sheridan County Truck.....			5,049				5,049		
TOTALS.....	615,002	2,368,362	162,118	605,372	(3,688)	581,265	1,916,747	605,372	651,158

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF MAY, 1960

Field	Big West Oil Co.	Humble Oil & Refining Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petro. Co.	Texaco Inc.	Texstar Corporation	Union Oil Co.	Total
Blackfoot.....										9,926	9,926
Border.....	760			18,764							760
Bowes.....			9,399		1,434	4,608					18,764
Cat Creek.....											15,441
Cut Bank.....	27,092						36,313	29,720		44,861	137,986
Delphia.....					2,427	107					107
Dry Creek.....											2,427
Elk Basin.....		58,304	36,960			40					95,264
Gage.....						1,831					40
Ivanhoe.....											1,831
Kevin-Sunburst.....	43,870				7,850			66,917			110,787
Melstone.....							32,444				7,850
Pondera.....									2,813	16,864	32,444
Reagan.....									2,813		16,864
Soap Creek.....											2,813
Sumatra.....		1,832	550		123,412						125,794
Sweetgrass Hills.....	397									993	397
Whitlash.....										993	993
Wolf Springs.....		9,283									9,283
Total Montana Oil.....	72,119	69,419	46,909	18,764	135,123	6,586	68,757	96,637	2,813	72,644	589,771
Canadian Oil Imported.....										2,226	2,226
Wyoming Oil Imported.....			320,961		477,803						798,764
TOTAL Montana, Canadian and Wyoming Oil.....	72,119	69,419	367,870	18,764	612,926	6,586	68,757	96,637	2,813	74,870	1,390,761

AVERAGE BARRELS PER DAY

PERCENTAGE OF CRUDE OIL REFINED

Year, 1959	Montana	Canada	Wyoming	TOTAL	Montana	Canada	Wyoming
Year, 1959	29,898	11	41,483	71,392	41.87%	.03%	58.10%
May, 1959	25,244	14	27,639	52,897	47.72%	.03%	52.25%
May, 1960	19,024	71	25,768	44,863	42.40%	.17%	57.43%